2/9/88 A 8810-1

RMA Industry Report

CONFIDENTIAL

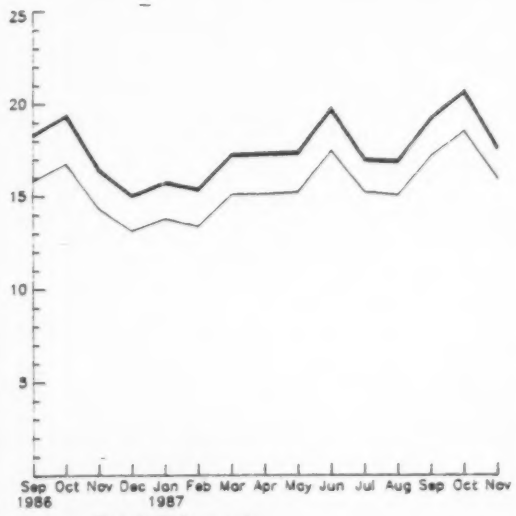
RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

MONTHLY TIRE REPORT

NOVEMBER 1987

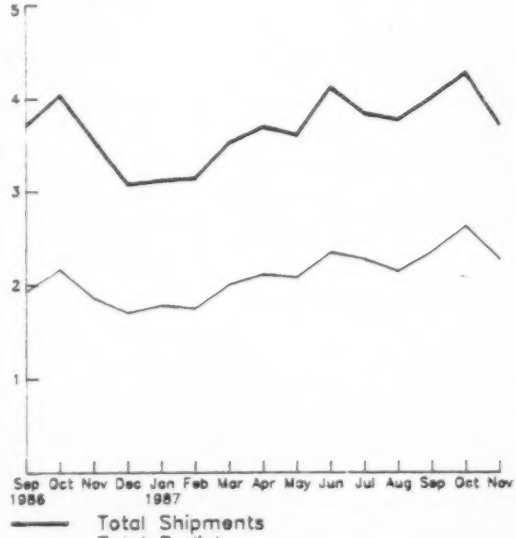
This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies so that the figures presented will represent 100% of the domestic U.S. tire market.

PASSENGER TIRE SHIPMENTS



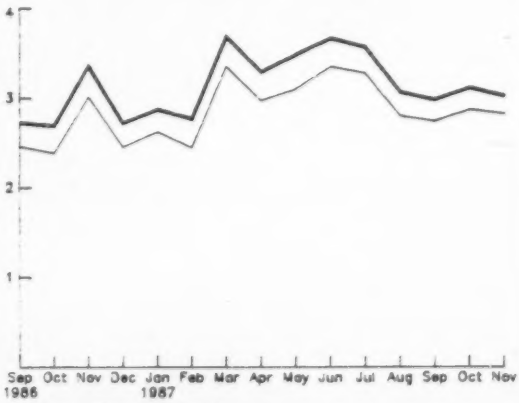
Figures in Millions of Units

TRUCK & BUS TIRE SHIPMENTS



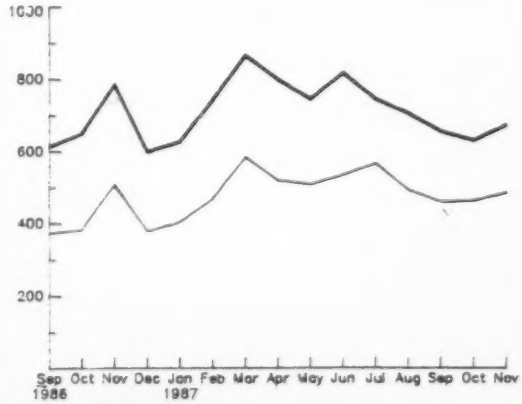
Figures in Millions of Units

PASSENGER TIRE IMPORTS



Figures in Millions of Units

TRUCK & BUS TIRE IMPORTS



Figures in Thousands of Units

Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for fifteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. November 1987 total shipments are up +7.2% from November 1986 for passenger tires, and up +8.2% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1986, passenger tire imports increased 101.1%, and truck and bus tire imports grew by 104.8%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: February 02, 1988

PASSENGER TIRES	November 1987	November 1986	% CHANGE	YTD 1987	YTD 1986	% CHANGE
Shipments						
Original Equipment	4,348	4,131	+5.25	49,316	50,626	-2.59
Radial	3,746	3,479	+7.67	41,901	42,599	-1.64
Replacement	12,681	11,920	+6.38	139,329	133,367	+4.47
Radial	11,735	10,576	+10.96	125,385	115,429	+8.63
Export	556	356	+56.18	5,370	3,696	+45.29
Radial	474	275	+72.36	4,679	2,844	+64.52
Total	17,585	16,407	+7.18	194,015	187,689	+3.37
Radial	15,955	14,330	+11.34	171,965	160,872	+6.90
Production	13,678	12,716	+7.57	153,907	146,743	+4.88
Radial	12,285	11,046	+11.22	135,695	124,472	+9.02
Ending Inventory	26,996	27,032	-0.13	-	-	-
Radial	24,246	23,675	+2.41	-	-	-
TRUCK & BUS TIRES						
Shipments						
Original Equipment	618	523	+18.16	7,264	6,357	+14.27
Radial	448	359	+24.79	5,071	4,273	+18.68
Replacement	2,902	2,823	+2.80	31,738	29,938	+6.01
Radial	1,683	1,450	+16.07	17,351	14,459	+20.00
Export	192	86	+123.26	1,878	1,184	+58.61
Radial	140	49	+185.71	1,340	706	+89.80
Total	3,712	3,432	+8.16	40,880	37,479	+9.07
Radial	2,271	1,858	+22.23	23,762	19,438	+22.25
Production	2,777	2,428	+14.37	32,642	28,363	+15.09
Radial	1,608	1,315	+22.28	18,533	14,014	+32.25
Ending Inventory	6,706	6,649	+0.86	-	-	-
Radial	4,149	3,870	+7.21	-	-	-
MOBILE HOME						
Shipments						
Original Equipment	57	31	+83.87	682	570	+19.65
Replacement	11	5	+120.00	102	59	+72.88
Export	-	-	-	-	-	-
Total	68	36	+88.89	784	629	+24.64
Production	62	26	+138.46	688	503	+36.78
Ending Inventory	92	79	+16.46	-	-	-
TRACTOR IMPLEMENT						
Shipments						
Original Equipment	48	39	+23.08	546	481	+13.51
Replacement	186	109	+70.64	2,472	2,172	+13.81
Export	23	16	+43.75	203	161	+26.09
Total	257	164	+56.71	3,221	2,814	+14.46
Production	249	200	+24.50	2,799	2,501	+11.92
Ending Inventory	599	659	-9.10	-	-	-
INDUSTRIAL & UTILITY						
Shipments						
Original Equipment	498	429	+16.08	6,704	5,909	+13.45
Replacement	183	93	+96.77	2,026	1,707	+18.69
Export	15	12	+25.00	224	187	+19.79
Total	696	534	+30.34	8,954	7,803	+14.75
Production	793	579	+36.96	8,434	6,885	+22.50
Ending Inventory	1,651	2,324	-28.96	-	-	-
INNER TUBES*						
Total Shipments						
Passenger & Motorcycle	429	465	-7.74	5,451	6,331	-13.90
Truck & Bus	1,138	1,055	+7.87	13,248	14,186	-6.61
Tractor-Implement	200	155	+29.03	2,530	2,317	+9.19
Industrial & Utility	110	93	+18.28	1,777	1,662	+6.92

* Inner Tube figures are for shipments only, not production.
In order to avoid possible double counting, export figures are as reported to RMA and will vary from data in government reports. This report is available from RMA at a $500.00 subscription rate. Year-end reports are available at $500.00 each. Figures may not add due to rounding. For further detail on tire and tube exports, refer to the RMA 501 report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the RMA Tire Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission of their monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those developed by the Comittee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenger service tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from factory to site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, cane and rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counter-balanced fork-lift trucks, recreational, boat, baggage, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tractors. This category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by the U.S. Government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports: Data for imports are shown separately on this report; however, those of participating companies are reflecte in all of the columns with the exception of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data is listed by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-government imports from foreign countries into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company
Bridgestone Tire Company of America, Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Company
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire & Rubber Company
Firestone Tire & Rubber Company, The
General Tire & Rubber Company, The
BFGoodrich Company, Tire Group, The
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
Lee Tire & Rubber Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Tire
Toyo Tire (USA) Corporation
Uniroyal, Inc.
Yokohama Tire Corporation

This report is available on a subscription basis only, and it cannot be reproduced without prior consent of the Rubber Manufacturers Association. Any questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street, N.W.; Washington, D.C. 20005; Telephone: (202) 682-4860.

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES		
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes
1986												
January	2,332	225	125	50	275	177	177	3	46	424	233	327
February	2,251	155	96	57	247	171	180	2	82	292	175	449
March	2,296	213	109	78	298	157	165	4	64	372	218	360
April	2,371	178	113	86	231	107	118	5	47	255	172	308
May	2,650	179	110	68	270	130	252	2	42	244	204	313
June	2,798	198	110	66	303	117	180	3	42	468	203	336
July	3,506	236	119	112	337	161	156	4	91	361	261	395
August	2,734	205	89	76	315	170	104	4	74	344	177	290
September	2,462	260	84	106	289	134	86	4	46	310	148	243
October	2,382	303	89	101	295	166	146	4	51	383	130	235
November	3,015	342	105	81	404	195	160	5	83	343	180	396
CUMULATIVE	28,798	2,495	1,149	881	3,264	1,685	1,722	38	667	3,796	2,101	3,652
December	2,449	265	65	65	314	155	116	2	85	281	143	210
ANNUAL	31,246	2,759	1,213	946	3,578	1,840	1,838	40	752	4,077	2,244	3,862
1987												
January	2,625	247	106	56	298	168	187	2	28	301	140	328
February	2,440	320	146	121	323	152	169	6	35	416	137	413
March	3,345	334	161	107	424	170	166	2	43	292	155	441
April	2,961	318	167	112	352	167	143	3	50	285	136	422
May	3,095	385	169	76	339	159	160	6	52	364	169	388
June	3,345	317	141	89	395	192	168	3	81	253	153	407
July	3,266	290	134	53	433	123	105	2	49	255	157	439
August	2,793	265	105	64	387	148	124	2	87	545	144	415
September	2,734	236	100	50	358	146	84	2	71	284	93	455
October	2,866	243	117	41	346	125	120	3	51	461	122	406
November	2,816	197	138	49	347	138	131	2	49	432	123	428
CUMULATIVE	32,287	3,153	1,484	819	4,002	1,691	1,557	35	596	3,887	1,528	4,542
December												
% Change Month	-1.7	-18.9	17.9	19.5	.3	10.4	9.2	-33.3	-3.9	-6.3	.8	5.4
% Change Month 87 vs. 86	-6.6	-42.4	31.4	-39.5	-14.1	-29.2	-18.1	-60.0	-41.0	25.9	-31.7	8.1
% Change Cumulative	12.1	26.4	29.2	-7.0	22.6	.4	-9.6	-7.9	-10.6	2.4	-27.3	24.4

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.